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REMARKS

Drawings

Formal drawings are included herewith. Please substitute these formal drawings for the informal drawings previously filed.

Rejection under §101

Claims 8-21 were rejected under §101 as directed to non-statutory subject matter. Claims 8 and 16 have been amended to recite a computer system performing the reading and verifying. This should address the Examiner's concerns.

Rejection under §112

Claims 9 and 16-21 have been rejected under §112, first paragraph, for lack of enablement. The Examiner states that it is not clear how barcode identifiers indicate the orientation and position of the substrate to the barcode reader. However, this would be clear to one of skill in the art based upon the description in the specification.

In general, barcode readers must first determine the orientation of the barcode relative to the barcode reader before translating the barcode into a number. In other words, the barcode can be read forward or backward, but the barcode reader must determine (based upon the barcode) whether the barcode has been read forward or whether it has been read backward. In the disclosed embodiment, the substrate is only analyzed for whether it is in one of two 180 degree opposite orientations - - the correct orientation or 180 degrees backwards. Precise angles in-

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between are not necessary. Thus, the claimed step of determining orientation is simple based upon the description in the specification.

Verification of position is also apparent from the description in the specification. Referring to Figure 2 in the disclosed embodiment, two readers 20, 21 are used. Each reader 20, 21 reads an identifier on a substrate in a different position (i.e. below the respective reader 20, 21). Since each reader 20, 21 only reads identifiers 22, 38 in one position, each reader 20, 21 can verify that the substrate 24, 36 placed below it has a correct identifier 22, 38.

Thus, the rejection under §112, first paragraph should be withdrawn.

Rejection under §103

Claims 1 and 3-21 are rejected under §103(a) as being unpatentable over *Irie et al.* (U.S. Patent Number 6,769,281) in view of *Mayfield* (U.S. Published Application Number 2003/0000088). Claim 1 has been amended to recite that the controller compares the identifier on the substrate to stored data prior to activation of the wrap mechanism. The substrate of *Irie et al.* has an IC tag attached to the substrate that is used to record certain information. (Column 27, lines 63-66). Next, the mat is wrapped around the substrate and measured. (Column 27, line 66 to column 28, line 1). The measurement is then recorded on the IC tag. However, the tag information is *read only after* the measurement information has been added, which occurs only after the mat has been wrapped on the substrate. In the claims, the identifier is read by a controller and compared with data stored within a computer prior to activation of a wrap assembly. Neither *Irie, et al.* nor *Mayfield* disclose or suggest comparing the identifier to stored data prior to wrapping the substrate. Therefore, claims 1 and 3-7 are not obvious.

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Claim 8 has also been amended to recite the reading the substrate with a computer verification system prior to activation of a wrap mechanism. *Irie et al.* discloses using a tag to record substrate and mat assembly measurements and using those measurements to determine an assembly sizing, but *Irie et al.* does not disclose reading the tag until after the mat has been wrapped around the substrate.

Claim 9 depends from claim 8 and further recites, "comparing an orientation of said substrate against said stored data." *Irie et al.* does not disclose determining an orientation of the substrate. The IC tag in *Irie, et al.* does not indicate orientation information to the device reading it. It is simply an electromagnetic signal containing information, but no known orientation. Therefore, claim 9 is independently patentable.

Claim 16 recites "reading the substrate with a computer verification system to verify orientation or position of the substrate." As indicated above, *Irie, et al.* does not disclose and could not determine orientation of the substrate. Additionally, *Irie, et al.* does not disclose or suggest determining a position of the substrate. For clarification, claim 16 has been amended to recite that the verification of the position or orientation occurs prior to activation of the wrap mechanism. As explained above, *Irie et al.* does not read the IC tag prior to wrapping the substrate with a mat. Therefore, claim 16 is not obvious.

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Please charge \$450 to Deposit Account No. 50-1482 for a two-month extension of time. If any additional fees or extensions are due, please charge Deposit Account No. 50-1482. Favorable reconsideration and allowance of this application is respectfully requested.

Respectfully Submitted,

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